

•New Machines And Gadgets•

⚙️ **SEEDING** tool, for planting tree seeds, enables one man to cover three to five acres a day. It resembles a walking stick, with a pointed end to penetrate the soil. A trip lever near a top handle, when pressed, sends into the earth a seed or two from the hollow space within the cane.

Science News Letter, November 23, 1946

⚙️ **PORTABLE** rectifier, a complete direct-current power supply source with a capacity of 150 watts, is particularly suitable for laboratory and industrial uses because of its size and weight of only 45 pounds. Using a selenium rectifier element, its output is adjustable from zero to six volts with a continuous capacity of 25 amperes.

Science News Letter, November 23, 1946

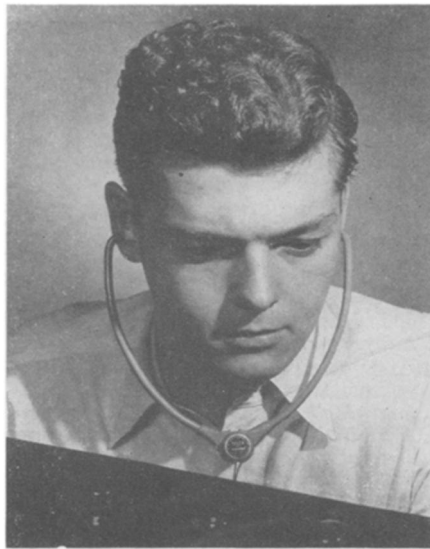
⚙️ **PANTS GUARD** for bicycle riders not only holds the trousers tight about the ankle in the ordinary way, but has attached reflector buttons which show red under the glare of the headlights of an approaching automobile.

Science News Letter, November 23, 1946

⚙️ **SMALL SIZED** compressor for refrigerators requires only as much space as a quart bottle of milk. The unit, with both motor and pump in a hermetically sealed case, weighs approximately 12 pounds, about one-third the weight of conventional models.

Science News Letter, November 23, 1946

⚙️ **ELECTRO-ACOUSTIC** device for telephone and radio conversations and



signals is worn under the chin instead of over the head like ordinary telephone receivers. Designed like the doctor's stethoscope, a tiny round microphone is at the junction of the plastic tubes that lead to the ears.

Science News Letter, November 23, 1946

⚙️ **INFRA-RED HEAT LAMP**, now improved with a bulb of hard glass to insure safety and with a ruby-hued filter to reduce glare, fits into any ordinary household socket. While designed for home heat-treatment of aching muscles, it has many other heat applications, such as drying hair.

Science News Letter, November 23, 1946

⚙️ **FIRE FIGHTING** equipment, for use when airplanes crash, is mounted on a jeep and contains, in addition to ordinary tools, a powered circular saw and a powered push-pull back saw, both for use in cutting into the metal fuselage. A powerful winch operates a grappling hook.

Science News Letter, November 23, 1946

⚙️ **STAR FINDER**, a simple instrument for amateur astronomers, is designed on the same principle as the equatorial mounting of the astronomer's telescope. It can be mounted on any standard camera tripod. With it, students can locate and identify constellations and stars.

Science News Letter, November 23, 1946

If you want more information on the new things described here, send a three-cent stamp to SCIENCE NEWS LETTER, 1719 N. St., N. W., Washington 6, D. C., and ask for Gadget Bulletin 338. To receive this Gadget Bulletin without special request each week, remit \$1.50 for one year's subscription.

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